



Date
Call Letters
Location
Customer
Antenna Type

23 Oct 2017
WNTV
Greenville, SC

Channel **34**

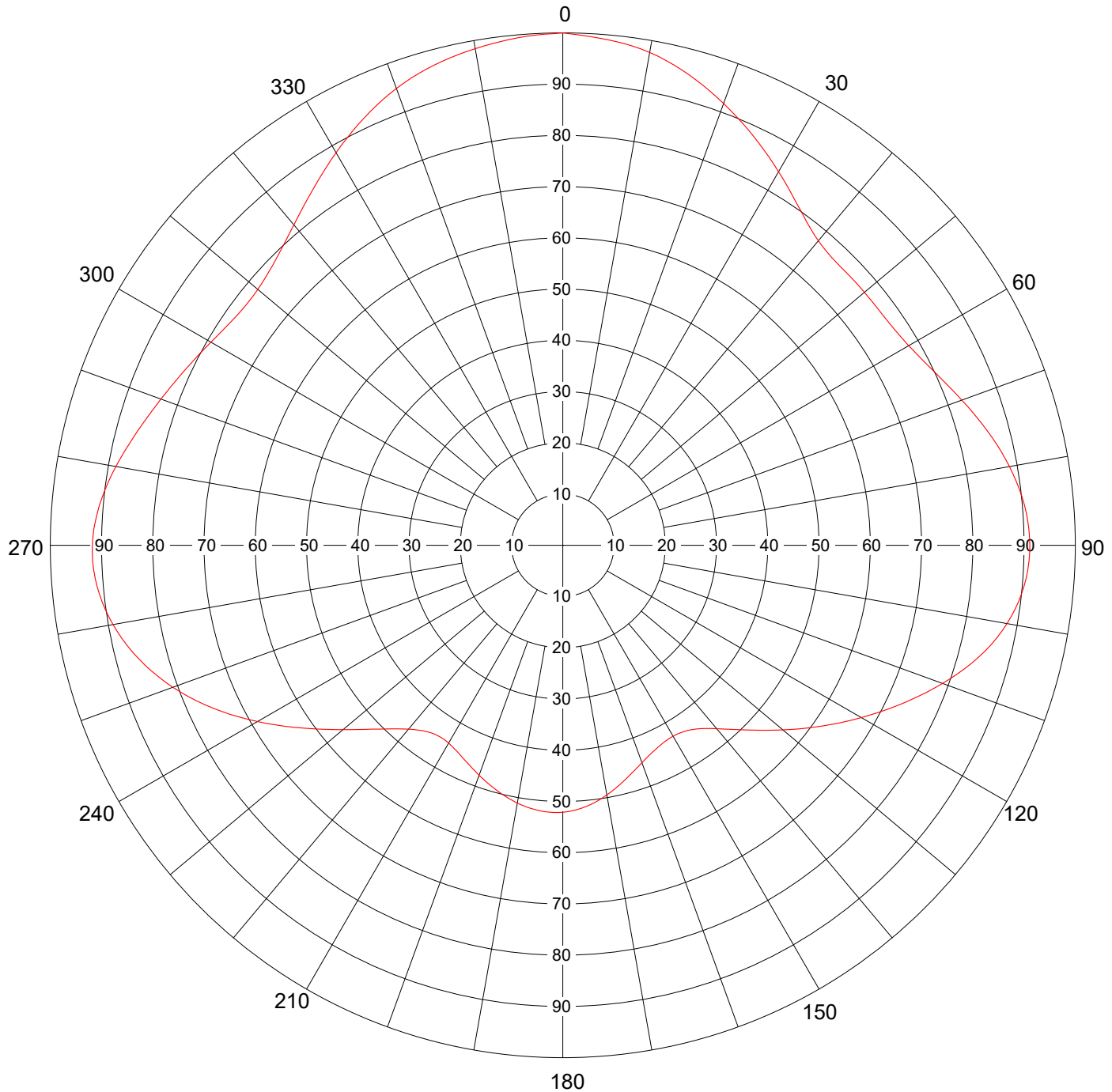
AZIMUTH PATTERN

Gain
Calculated / Measured

1.7 (2.30 dB)
Calculated

Frequency
Drawing #

593 MHz
TLP-H



Remarks:



Date

23 Oct 2017

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WNTV

Channel

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Greenville, SC

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TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #

TLP-H

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	1.000	45	0.768	90	0.911	135	0.510	180	0.521	225	0.507	270	0.918	315	0.791
1	0.998	46	0.768	91	0.911	136	0.500	181	0.522	226	0.517	271	0.917	316	0.795
2	0.996	47	0.768	92	0.910	137	0.492	182	0.522	227	0.527	272	0.915	317	0.800
3	0.994	48	0.768	93	0.909	138	0.483	183	0.522	228	0.537	273	0.913	318	0.805
4	0.993	49	0.768	94	0.906	139	0.475	184	0.521	229	0.548	274	0.911	319	0.811
5	0.991	50	0.768	95	0.904	140	0.467	185	0.520	230	0.560	275	0.907	320	0.816
6	0.989	51	0.768	96	0.900	141	0.460	186	0.519	231	0.571	276	0.904	321	0.822
7	0.986	52	0.768	97	0.896	142	0.454	187	0.517	232	0.584	277	0.900	322	0.829
8	0.984	53	0.769	98	0.891	143	0.448	188	0.515	233	0.596	278	0.895	323	0.835
9	0.980	54	0.769	99	0.886	144	0.443	189	0.513	234	0.609	279	0.890	324	0.842
10	0.977	55	0.770	100	0.880	145	0.439	190	0.511	235	0.622	280	0.885	325	0.849
11	0.972	56	0.771	101	0.873	146	0.436	191	0.508	236	0.635	281	0.880	326	0.856
12	0.968	57	0.772	102	0.866	147	0.433	192	0.505	237	0.648	282	0.875	327	0.863
13	0.962	58	0.774	103	0.858	148	0.432	193	0.502	238	0.661	283	0.870	328	0.870
14	0.957	59	0.776	104	0.850	149	0.431	194	0.499	239	0.675	284	0.865	329	0.878
15	0.951	60	0.779	105	0.841	150	0.430	195	0.496	240	0.688	285	0.859	330	0.885
16	0.945	61	0.783	106	0.831	151	0.430	196	0.492	241	0.701	286	0.854	331	0.892
17	0.938	62	0.786	107	0.821	152	0.431	197	0.489	242	0.714	287	0.849	332	0.899
18	0.931	63	0.791	108	0.810	153	0.432	198	0.485	243	0.727	288	0.844	333	0.906
19	0.924	64	0.795	109	0.800	154	0.434	199	0.481	244	0.740	289	0.839	334	0.913
20	0.917	65	0.800	110	0.788	155	0.436	200	0.477	245	0.752	290	0.834	335	0.919
21	0.910	66	0.805	111	0.777	156	0.438	201	0.474	246	0.765	291	0.830	336	0.926
22	0.903	67	0.811	112	0.766	157	0.441	202	0.470	247	0.777	292	0.825	337	0.932
23	0.896	68	0.817	113	0.754	158	0.444	203	0.466	248	0.788	293	0.821	338	0.938
24	0.888	69	0.823	114	0.742	159	0.448	204	0.463	249	0.799	294	0.816	339	0.944
25	0.881	70	0.828	115	0.731	160	0.452	205	0.459	250	0.810	295	0.812	340	0.949
26	0.873	71	0.835	116	0.719	161	0.456	206	0.456	251	0.820	296	0.808	341	0.954
27	0.865	72	0.841	117	0.707	162	0.460	207	0.453	252	0.830	297	0.804	342	0.958
28	0.858	73	0.847	118	0.696	163	0.464	208	0.450	253	0.839	298	0.800	343	0.963
29	0.850	74	0.853	119	0.684	164	0.468	209	0.448	254	0.848	299	0.796	344	0.967
30	0.842	75	0.858	120	0.673	165	0.473	210	0.446	255	0.856	300	0.793	345	0.970
31	0.834	76	0.864	121	0.661	166	0.477	211	0.445	256	0.864	301	0.789	346	0.973
32	0.827	77	0.870	122	0.650	167	0.482	212	0.444	257	0.872	302	0.786	347	0.976
33	0.819	78	0.875	123	0.638	168	0.486	213	0.444	258	0.879	303	0.783	348	0.979
34	0.811	79	0.880	124	0.627	169	0.491	214	0.445	259	0.885	304	0.781	349	0.982
35	0.804	80	0.885	125	0.615	170	0.495	215	0.447	260	0.891	305	0.779	350	0.984
36	0.797	81	0.890	126	0.604	171	0.499	216	0.450	261	0.896	306	0.777	351	0.986
37	0.791	82	0.894	127	0.593	172	0.503	217	0.453	262	0.901	307	0.776	352	0.989
38	0.785	83	0.898	128	0.582	173	0.506	218	0.458	263	0.906	308	0.776	353	0.991
39	0.780	84	0.901	129	0.571	174	0.509	219	0.463	264	0.909	309	0.776	354	0.993
40	0.776	85	0.904	130	0.560	175	0.512	220	0.468	265	0.912	310	0.777	355	0.994
41	0.773	86	0.906	131	0.550	176	0.515	221	0.475	266	0.915	311	0.779	356	0.996
42	0.770	87	0.909	132	0.539	177	0.517	222	0.482	267	0.917	312	0.781	357	0.997
43	0.769	88	0.910	133	0.529	178	0.519	223	0.490	268	0.918	313	0.784	358	0.998
44	0.768	89	0.911	134	0.519	179	0.520	224	0.498	269	0.918	314	0.787	359	0.999

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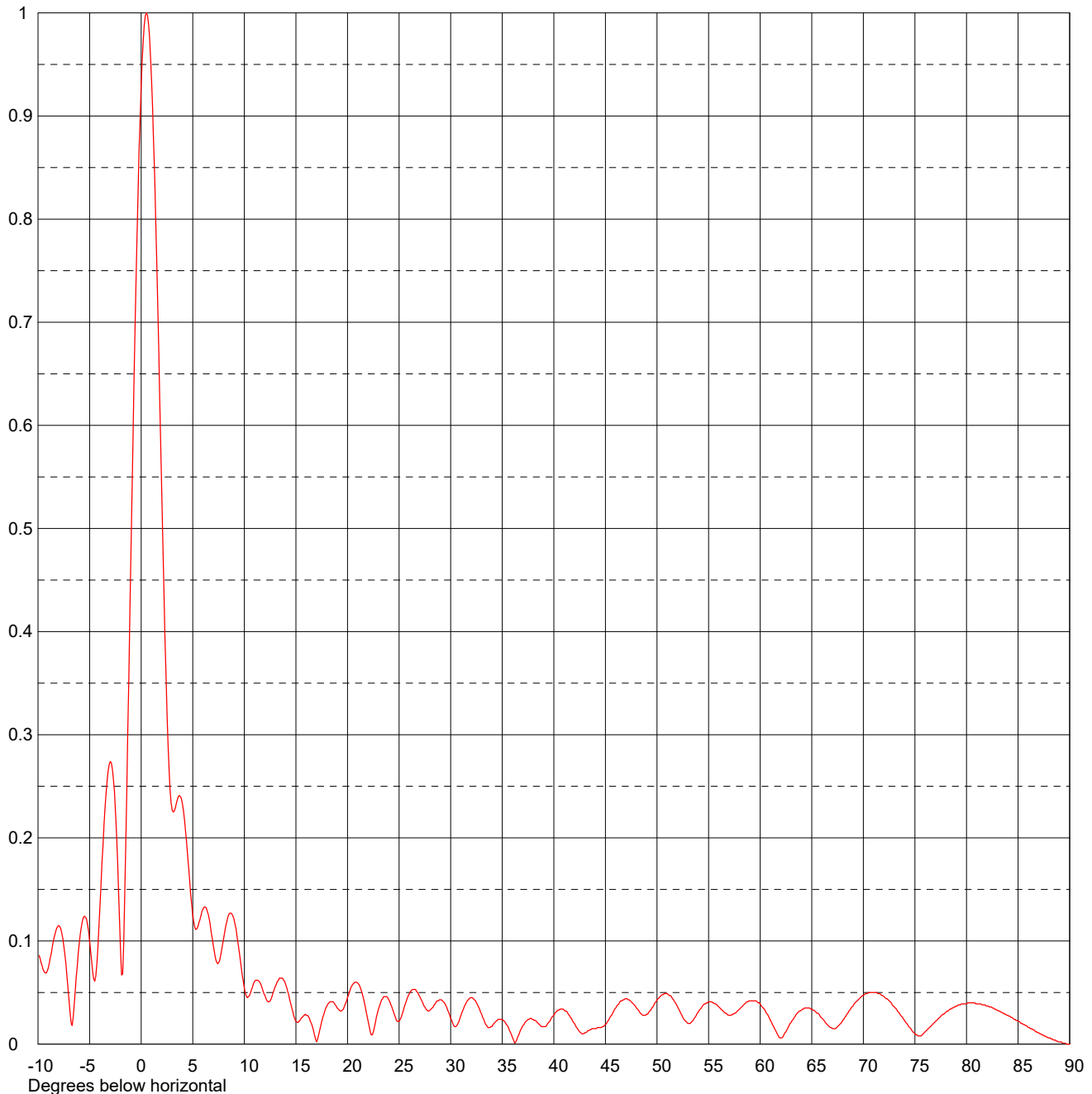
ELEVATION PATTERN

RMS Gain at Main Lobe
RMS Gain at Horizontal
Calculated / Measured

24.5 (13.89 dB)
21.2 (13.26 dB)
Calculated

Beam Tilt
Frequency
Drawing #

0.50 Degrees
593.00 MHz
24N245050-90



Remarks:



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23 Oct 2017

Call Letters

WNTV

Channel

34

Location

Greenville,SC

Customer

Antenna Type

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #

24N245050-90

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.089	2.4	0.357	10.6	0.050	30.5	0.017	51.0	0.049	71.5	0.049
-9.5	0.072	2.6	0.291	10.8	0.056	31.0	0.028	51.5	0.044	72.0	0.046
-9.0	0.074	2.8	0.247	11.0	0.061	31.5	0.040	52.0	0.036	72.5	0.042
-8.5	0.101	3.0	0.227	11.5	0.060	32.0	0.045	52.5	0.026	73.0	0.036
-8.0	0.115	3.2	0.226	12.0	0.047	32.5	0.040	53.0	0.020	73.5	0.030
-7.5	0.095	3.4	0.233	12.5	0.042	33.0	0.029	53.5	0.023	74.0	0.023
-7.0	0.043	3.6	0.240	13.0	0.056	33.5	0.018	54.0	0.031	74.5	0.016
-6.5	0.037	3.8	0.240	13.5	0.064	34.0	0.017	54.5	0.038	75.0	0.010
-6.0	0.098	4.0	0.233	14.0	0.058	34.5	0.023	55.0	0.041	75.5	0.008
-5.5	0.124	4.2	0.217	14.5	0.039	35.0	0.024	55.5	0.040	76.0	0.012
-5.0	0.100	4.4	0.196	15.0	0.022	35.5	0.018	56.0	0.036	76.5	0.017
-4.5	0.061	4.6	0.171	15.5	0.025	36.0	0.006	56.5	0.031	77.0	0.022
-4.0	0.133	4.8	0.145	16.0	0.028	36.5	0.007	57.0	0.028	77.5	0.027
-3.5	0.230	5.0	0.125	16.5	0.020	37.0	0.018	57.5	0.030	78.0	0.031
-3.0	0.274	5.2	0.113	17.0	0.002	37.5	0.024	58.0	0.034	78.5	0.034
-2.8	0.267	5.4	0.112	17.5	0.022	38.0	0.024	58.5	0.039	79.0	0.037
-2.6	0.245	5.6	0.118	18.0	0.037	38.5	0.020	59.0	0.042	79.5	0.039
-2.4	0.206	5.8	0.125	18.5	0.041	39.0	0.017	59.5	0.042	80.0	0.039
-2.2	0.152	6.0	0.131	19.0	0.035	39.5	0.021	60.0	0.039	80.5	0.040
-2.0	0.090	6.2	0.133	19.5	0.033	40.0	0.028	60.5	0.032	81.0	0.039
-1.8	0.068	6.4	0.129	20.0	0.045	40.5	0.033	61.0	0.023	81.5	0.038
-1.6	0.141	6.6	0.121	20.5	0.058	41.0	0.033	61.5	0.013	82.0	0.037
-1.4	0.244	6.8	0.108	21.0	0.059	41.5	0.028	62.0	0.006	82.5	0.035
-1.2	0.357	7.0	0.095	21.5	0.046	42.0	0.020	62.5	0.012	83.0	0.033
-1.0	0.472	7.2	0.083	22.0	0.022	42.5	0.012	63.0	0.021	83.5	0.030
-0.8	0.585	7.4	0.078	22.5	0.012	43.0	0.011	63.5	0.029	84.0	0.028
-0.6	0.691	7.6	0.081	23.0	0.034	43.5	0.014	64.0	0.033	84.5	0.025
-0.4	0.786	7.8	0.091	23.5	0.046	44.0	0.015	64.5	0.035	85.0	0.022
-0.2	0.867	8.0	0.103	24.0	0.043	44.5	0.016	65.0	0.034	85.5	0.019
0.0	0.931	8.2	0.115	24.5	0.030	45.0	0.019	65.5	0.030	86.0	0.016
0.2	0.974	8.4	0.123	25.0	0.022	45.5	0.027	66.0	0.025	86.5	0.014
0.4	0.997	8.6	0.127	25.5	0.036	46.0	0.035	66.5	0.019	87.0	0.011
0.6	0.998	8.8	0.126	26.0	0.049	46.5	0.042	67.0	0.015	87.5	0.008
0.8	0.977	9.0	0.121	26.5	0.053	47.0	0.044	67.5	0.017	88.0	0.006
1.0	0.936	9.2	0.111	27.0	0.046	47.5	0.041	68.0	0.023	88.5	0.004
1.2	0.877	9.4	0.097	27.5	0.036	48.0	0.035	68.5	0.030	89.0	0.002
1.4	0.804	9.6	0.082	28.0	0.033	48.5	0.029	69.0	0.037	89.5	0.001
1.6	0.718	9.8	0.067	28.5	0.039	49.0	0.029	69.5	0.043	90.0	0.000
1.8	0.626	10.0	0.054	29.0	0.043	49.5	0.035	70.0	0.047		
2.0	0.532	10.2	0.046	29.5	0.038	50.0	0.043	70.5	0.050		
2.2	0.440	10.4	0.046	30.0	0.025	50.5	0.048	71.0	0.050		

Remarks: